

A simple device that casts a long shadow

The shadow you see above, cast by the simplest of gyros, is a symbol of potential. As yet, man has filled in only a portion of the shadow—with devices used to control

Several years ago, realizing the great need

for better gyroscopic controls for everything that flies, we entered the field.

Today we're specialists in gyros, have

become one of the leaders in the industry. Extensive research, high engineering and production standards, coupled with unsurpassed facilities, have made possible a complete Honeywell "family" of gyros of the highest quality.

Such Honeywell mass-produced devices as the Cageable Vertical Gyro, the Hermetic Integrating Gyro, the "Twin Spin" and many other rate and vertical gyros have gained a reputation as tough, precise, trouble-free devices.

This reputation has been gained through their use in Honeywell control systems, and as components in systems produced by other manufacturers, in flight controls for all types of aircraft – missiles and radar systems.

Our work with gyros continues to expand —as we seek to develop more of their potential. Because automatic control is so important to aviation progress. And automatic control is Honeywell's business.

Honeywell



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Aviation Week

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The Aviation Week

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AVIATION WILL Sections 21, 1951

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AVIONICS

F-86D Flies With 'Automatic Engineer'

 GE unit controls both engine and afterburner.
 So pilot can concentrate on interception mission.

By Philip Klass

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ANATION WEEK Separates 21 1952



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FIFTY YEARS ago, in 1903, for the first time in huttory, a powered, controllable, heavier-than-air machine capable of carrying a man was flown. It carried, one at a time, two young Americans, Orville and Wilhor Weight. This year, 1953, recursight million Americans, young and old will be passengers on U.S. dementic audines, Millions of others will the the interpretional staffine expense and in expentive and private plants. Gulf has been arrivate associated with this phreomenal progress as a surefer of anisono products to individual and corporation plans encourse and to the airlines whose imagnis appear on this twee-







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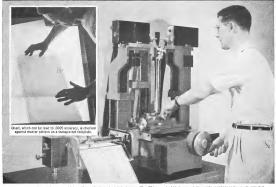
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How we broke a bottleneck

in turbine blade inspection

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Here you see the latest machine, built by Allison and General Motors Research Divisions. It is equipped with newly developed electronic tracer heads. This feature enables us to inspect any type of compressor or turbine blade profile without danger of scratching the surface. And by coating plastic patterns with a thin metallic paint, we can also check them for exactness before blades are cast.

Here is another example of Allison and General Motors engineering ingenuity that pays off in more dependable jet performance and lower cost manufacture—typical of the continuous pioneering which maintains leadership for Allison engines in the air.

